

024455pcus\_ST25 (2).txt  
SEQUENCE LISTING

<110> Shanghai Genomics, Inc.  
<120> TUMOR TAG AND THE USE THEREOF  
<130> 186353/US  
<140> 10/527,257  
<141> 2005-03-09  
<150> PCT/CN2002/000631  
<151> 2002-09-09  
<160> 12  
<170> PatentIn version 3.4  
<210> 1  
<211> 720  
<212> DNA  
<213> Homo sapiens



<220>  
<221> CDS  
<222> (1)..(639)

<400> 1  
atg gca gcg gcc gcc agc ccc gcg ttc ctt cta cgc ctc ccg ctt ctg 48  
Met Ala Ala Ala Ala Ser Pro Ala Phe Leu Leu Arg Leu Pro Leu Leu  
1 5 10 15  
ctc ctg ctg tcc agc tgg tgc agg acc ggg ctg gcc gac cct cac tct 96  
Leu Leu Leu Ser Ser Trp Cys Arg Thr Gly Leu Ala Asp Pro His Ser  
20 25 30  
ctt tgc tat gac atc acc gtc atc cct aag ttc aga cct gga cca cgg 144  
Leu Cys Tyr Asp Ile Thr Val Ile Pro Lys Phe Arg Pro Gly Pro Arg  
35 40 45  
tgg tgt gcg gtt caa ggc cag gtg gat gaa aag act ttt ctt cac tat 192  
Trp Cys Ala Val Gln Gly Gln Val Asp Glu Lys Thr Phe Leu His Tyr  
50 55 60  
gac tgt ggc agc aag aca gtc aca ccc gtc agt ccc ctg ggg aag aaa 240  
Asp Cys Gly Ser Lys Thr Val Thr Pro Val Ser Pro Leu Gly Lys Lys  
65 70 75 80  
cta aat gtc aca acg gcc tgg aaa gca cag aac cca gta ctg aga gag 288  
Leu Asn Val Thr Thr Ala Trp Lys Ala Gln Asn Pro Val Leu Arg Glu  
85 90 95  
gtg gtg gac ata ctt aca gag caa ctg ctt gac att cag ctg gag aat 336  
Val Val Asp Ile Leu Thr Glu Gln Leu Leu Asp Ile Gln Leu Glu Asn  
100 105 110  
tac ata ccc aag gaa ccc ctc acc ctg cag gcc agg atg tct tgt gag 384  
Tyr Ile Pro Lys Glu Pro Leu Thr Leu Gln Ala Arg Met Ser Cys Glu  
115 120 125  
cag aaa gcc gaa gga cac ggc agt gga tct tgg cag ctc agt ttc gat 432  
Gln Lys Ala Glu Gly His Gly Ser Gly Ser Trp Gln Leu Ser Phe Asp  
Page 1

## 024455pcus\_ST25 (2).txt

130 135 140  
gga cag atc ttc ctc ctc ttt gac tca gaa aac aga atg tgg aca acg 480  
Gly Gln Ile Phe Leu Leu Phe Asp Ser Glu Asn Arg Met Trp Thr Thr  
145 150 155 160  
gtt cat cct gga gcc aga aag atg aaa gaa aag tgg gag aat gac aag 528  
Val His Pro Gly Ala Arg Lys Met Lys Glu Lys Trp Glu Asn Asp Lys  
165 170 175  
gat atg acc atg tcc ttc cat tac atc tca atg gga gac tgc aca gga 576  
Asp Met Thr Met Ser Phe His Tyr Ile Ser Met Gly Asp Cys Thr Gly  
180 185 190  
tgg ctt gag gac ttc ttg atg ggc atg gac agc acc ctg gag cca agt 624  
Trp Leu Glu Asp Phe Leu Met Gly Met Asp Ser Thr Leu Glu Pro Ser  
195 200 205  
gca gga ggc aca gtc tgacccaaag ccatggccac caccctcagt ccctgcagcc 679  
Ala Gly Gly Thr Val  
210  
tcctcctcat cctcccctgc ttcatacctcc ctggcatctg a 720

<210> 2  
<211> 213  
<212> PRT  
<213> Homo sapiens

<400> 2

Met Ala Ala Ala Ala Ser Pro Ala Phe Leu Leu Arg Leu Pro Leu Leu  
1 5 10 15  
Leu Leu Leu Ser Ser Trp Cys Arg Thr Gly Leu Ala Asp Pro His Ser  
20 25 30  
Leu Cys Tyr Asp Ile Thr Val Ile Pro Lys Phe Arg Pro Gly Pro Arg  
35 40 45  
Trp Cys Ala Val Gln Gly Gln Val Asp Glu Lys Thr Phe Leu His Tyr  
50 55 60  
Asp Cys Gly Ser Lys Thr Val Thr Pro Val Ser Pro Leu Gly Lys Lys  
65 70 75 80  
Leu Asn Val Thr Thr Ala Trp Lys Ala Gln Asn Pro Val Leu Arg Glu  
85 90 95  
Val Val Asp Ile Leu Thr Glu Gln Leu Leu Asp Ile Gln Leu Glu Asn  
100 105 110  
Tyr Ile Pro Lys Glu Pro Leu Thr Leu Gln Ala Arg Met Ser Cys Glu  
115 120 125

024455pcus\_ST25 (2).txt

Gln Lys Ala Glu Gly His Gly Ser Gly Ser Trp Gln Leu Ser Phe Asp  
130 135 140

Gly Gln Ile Phe Leu Leu Phe Asp Ser Glu Asn Arg Met Trp Thr Thr  
145 150 155 160

Val His Pro Gly Ala Arg Lys Met Lys Glu Lys Trp Glu Asn Asp Lys  
165 170 175

Asp Met Thr Met Ser Phe His Tyr Ile Ser Met Gly Asp Cys Thr Gly  
180 185 190

Trp Leu Glu Asp Phe Leu Met Gly Met Asp Ser Thr Leu Glu Pro Ser  
195 200 205

Ala Gly Gly Thr Val  
210

<210> 3  
<211> 29  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotide

<400> 3  
cggaattcat ggcagcggcc gccagcccc

29

<210> 4  
<211> 30  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotide

<400> 4  
gccaagcttg atgccaggga ggatgaagca

30

<210> 5  
<211> 34  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotide

<400> 5  
ccggaattcg accctcactc tctttgctat gaca

34

<210> 6  
<211> 30

## 024455pcus\_ST25 (2).txt

<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotide

<400> 6  
gccaaagcttg atgccaggga ggatgaagca

30

<210> 7  
<211> 21  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotide

<400> 7  
atggcagcgg ccgccagccc c

21

<210> 8  
<211> 24  
<212> DNA  
<213> Artificial

<220>  
<223> oligonucleotide

<400> 8  
tcagatgccca gggaggatga agca

24

<210> 9  
<211> 742  
<212> DNA  
<213> Homo sapiens

<400> 9  
atggcagcgg ccgccagccc cgcgttcctt ctacgcctcc cgcttctgct cctgctgtcc 60  
agctgggtga ggaccgggct ggccgacctt cactctcttt gctatgacat caccgtcatc 120  
cctaagttca gacctggacc acggtggtgt gcggttcaag gccagggtgga tgaaaagact 180  
tttcttcact atgactgtgg cagcaagaca gtcacacccg tcagtcccct gggaagaaa 240  
ctaaatgtca caacggcctg gaaagcacag aaccagtagc tgagagaggt ggtggacata 300  
cttacagagc aactgcttga cattcagctg gagaattaca tacccaagga acccctcacc 360  
ctgcaggcca ggatgtcttg tgagcagaaa gccgaaggac acggcagtag atcttggcag 420  
ctcagtttcg atggacagat cttcctcctc tttgactcag aaaacagaat gtggacaacg 480  
gttcattcctg gagccagaaa gatgaaagaa aagtgggaga atgacaagga tatgaccatg 540  
tccttcatt acatctcaat gggagactgc acaggatggc ttgaggactt cttgatgggc 600  
atggacagca ccctggagcc aagtgcagga gcaccacca ccatgtcctc aggcacagcc 660  
caaccaggga ccacggccac caccctcatc ctttgctgcc tcctcatcat gtgtctcctc 720

atatgctcca ggcacagtct ga

<210> 10  
 <211> 246  
 <212> PRT  
 <213> Homo sapiens

<400> 10

Met Ala Ala Ala Ala Ala Thr Lys Ile Leu Leu Cys Leu Pro Leu Leu  
 1 5 10 15

Leu Leu Leu Ser Gly Trp Ser Arg Ala Gly Arg Ala Asp Pro His Ser  
 20 25 30

Leu Cys Tyr Asp Ile Thr Val Ile Pro Lys Phe Arg Pro Gly Pro Arg  
 35 40 45

Trp Cys Ala Val Gln Gly Gln Val Asp Glu Lys Thr Phe Leu His Tyr  
 50 55 60

Asp Cys Gly Asn Lys Thr Val Thr Pro Val Ser Pro Leu Gly Lys Lys  
 65 70 75 80

Leu Asn Val Thr Thr Ala Trp Lys Ala Gln Asn Pro Val Leu Arg Glu  
 85 90 95

Val Val Asp Ile Leu Thr Glu Gln Leu Arg Asp Ile Gln Leu Glu Asn  
 100 105 110

Tyr Thr Pro Lys Glu Pro Leu Thr Leu Gln Ala Arg Met Ser Cys Glu  
 115 120 125

Gln Lys Ala Glu Gly His Ser Ser Gly Ser Trp Gln Phe Ser Phe Asp  
 130 135 140

Gly Gln Ile Phe Leu Leu Phe Asp Ser Glu Lys Arg Met Trp Thr Thr  
 145 150 155 160

Val His Pro Gly Ala Arg Lys Met Lys Glu Lys Trp Glu Asn Asp Lys  
 165 170 175

Val Val Ala Met Ser Phe His Tyr Phe Ser Met Gly Asp Cys Ile Gly  
 180 185 190

Trp Leu Glu Asp Phe Leu Met Gly Met Asp Ser Thr Leu Glu Pro Ser  
 195 200 205

024455pcus\_ST25 (2).txt

Ala Gly Ala Pro Leu Ala Met Ser Ser Gly Thr Thr Gln Leu Arg Ala  
210 215 220

Thr Ala Thr Thr Leu Ile Leu Cys Cys Leu Leu Ile Ile Leu Pro Cys  
225 230 235 240

Phe Ile Leu Pro Gly Ile  
245

<210> 11  
<211> 741  
<212> DNA  
<213> Homo sapiens

<400> 11  
atggcagcag ccgccgtac caagatcctt ctgtgcctcc cgcttctgct cctgctgtcc 60  
ggctgggtccc gggctgggag agccgaccct cactctcttt gctatgacat caccgtcatc 120  
cctaagttca gacctggacc acggtgggtgt gcggttcaag gccaggtgga tgaaaagact 180  
tttcttctact atgactgtgg caacaagaca gtcacacctg tcagtcccct ggggaagaaa 240  
ctaaatgtca caacggcctg gaaagcacag aaccagtagt tgagagaggt ggtggacata 300  
cttacagagc aactgctgta cattcagctg gagaattaca cacccaagga acccctcacc 360  
ctgcaggcca ggatgtcttg tgagcagaaa gctgaaggac acagcagtgg atcttggcag 420  
ttcagtttctg atgggcagat cttcctcctc ttgactcag agaagagaat gtggacaacg 480  
gttcatcctg gagccagaaa gatgaaagaa aagtgggaga atgacaaggt tgtggccatg 540  
tccttccatt acttctcaat gggagactgt ataggatggc ttgaggactt cttgatgggc 600  
atggacagca ccctggagcc aagtgcagga gcaccactcg ccatgtcctc aggcacaacc 660  
caactcaggg ccacagccac caccctcatc ctttctgtgc tcctcatcat cctcccctgc 720  
ttcatcctcc ctggcatctg a 741

<210> 12  
<211> 642  
<212> DNA  
<213> Homo sapiens

<400> 12  
atggcagcgg ccgccagccc cgcgttcctt ctacgcctcc cgcttctgct cctgctgtcc 60  
agctgggtgca ggaccgggct ggccgaccct cactctcttt gctatgacat caccgtcatc 120  
cctaagttca gacctggacc acggtgggtgt gcggttcaag gccaggtgga tgaaaagact 180  
tttcttctact atgactgtgg cagcaagaca gtcacacctg tcagtcccct ggggaagaaa 240  
ctaaatgtca caacggcctg gaaagcacag aaccagtagt tgagagaggt ggtggacata 300  
cttacagagc aactgcttga cattcagctg gagaattaca tacccaagga acccctcacc 360

024455pcus\_ST25 (2).txt

ctgcaggcca ggatgtcttg tgagcagaaa gccgaaggac acggcagtgg atcttggcag	420
ctcagtttcg atggacagat cttcctcctc ttgactcag aaaacagaat gtggacaacg	480
gttcacccctg gagccagaaa gatgaaagaa aagtgggaga atgacaagga tatgaccatg	540
tccttccatt acatctcaat gggagactgc acaggatggc ttgaggactt cttgatgggc	600
atggacagca ccctggagcc aagtgcagga ggcacagtct ga	642